My   David Kirby   1 ▼

🏠   **Course Home**   **Quizzes & Tests**   **Review Test Submission: Quiz 5 - Interrupts & Communications**

Review Test Submission: Quiz 5 - Interrupts & Communications

User	David Kirby
Course	ECE-344L-003 (Spring 2020)
Test	Quiz 5 - Interrupts & Communications
Started	4/21/20 8:31 PM
Submitted	4/21/20 8:37 PM
Due Date	4/21/20 10:00 PM
Status	Completed
Attempt Score	100 out of 100 points
Time Elapsed	6 minutes
Results Displayed	All Answers, Submitted Answers, Correct Answers

Question 1   5 out of 5 points

An ISR can return a value upon completion.

Selected Answer: ✅ False
Answers: True
                  ✅ False

Question 2   7 out of 7 points

Which of the following is <u>NOT</u> a characteristic of an I2C interface?

Selected Answer: ✅ Full Duplex

Answers: ✅ Full Duplex

                    Two signal wires

                    Multiple master operation

Synchronous communication

Question 3

10 out of 10 points

Which of the following does <u>NOT</u> occur during an interrupt?

Selected Answer: ✅ The CPU clock is halted

Answers: The pre-interrupt CPU state is saved

A function is called

The CPU state is restored and program continues

✅ The CPU clock is halted

Question 4

5 out of 5 points

Arguments cannot be passed to an ISR.

Selected Answer: ✅ True

Answers: ✅ True

False

Question 5

7 out of 7 points

What type of communication scheme allows data to be received <u>or</u> transmitted at any one time?

Selected Answer: ✅ Half Duplex

Answers: Full Duplex

✅ Half Duplex

UART

SPI

Question 6

7 out of 7 points

Which of the following is <u>NOT</u> a characteristic of a UART interface?

Selected Answer:	✅ Synchronous communication
Answers:	Full Duplex
	Minimum two signal wires
	Multiple protocol support
	✅ Synchronous communication

Question 7

7 out of 7 points — **5 out of 5 points**

Is ISR execution synchronous with respect to the main program?

Selected Answer:	✅ No
Answers:	Yes
	✅ No

Question 8

7 out of 7 points

What type of communication scheme allows data to be received <u>and</u> transmitted at the same time?

Selected Answer:	✅ Full Duplex
Answers:	✅ Full Duplex
	Half Duplex
	!2C
	Shared medium

Question 9

7 out of 7 points

Which of the following is <u>NOT</u> a characteristic of a SPI interface?

Selected Answer:	✅ Two signal wires
Answers:	Full Duplex
	✅ Two signal wires

Devices can be connected in parallel

Synchronous communication

Question 10

10 out of 10 points

Which type of communication link relies on a start signal to sample data?

Selected Answer: ✓ Asynchronous

Answers: ✓ Asynchronous

Synchronous

SPI

I2C

Question 11

10 out of 10 points

Which type of communication link designates a master clock to sample data?

Selected Answer: ✓ Synchronous

Answers: Asynchronous

✓ Synchronous

UART

RS-232

Question 12

10 out of 10 points

In the PIC32 microcontroller,how many different sources can cause an interrupt?

Selected Answer: ✓ 96

Answers: 16

32

64

✅ 96

Question 13

5 out of 5 points

Interrupts will not occur unless they are enabled with the Interrupt Controller.

Selected Answer: ✅ True

Answers: ✅ True

False

Question 14

5 out of 5 points

An ISR can be called by another function, regardless of whether an interrupt has occurred or not.

Selected Answer: ✅ False

Answers: True

✅ False

Tuesday, April 21, 2020 8:44:28 PM MDT

← OK